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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBER: 4502-80

PERMIT NO.: 1990-EH-4693

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: January 18, 1990

PREPARED BY: The Chester Engineers

SUBJECT: CERRO COPPER PRODUCTS COMPANY -- East St. Louis Works -- Modification of
Existing Sewers, New Lift Station and Stormwater Retention Basin -- Village of Sauget
Physical - Chemical Wastewater Treatment Plant

PERMITTEE TO CONSTRUCT

Cerro Copper Products Company
Post Office Box 56800
St. Louis, Missouri 63166-6800

Permit is hereby granted to the above designated permittee to construct water
pollution control facilities described as follows:

A storm water collection system, lift station and force main to convey discharges
from Cerro Copper Products Company to the Village of Sauget industrial sewer system.
The storm water collection system will include approximately 1,600 linear feet of
precast concrete channel (10 feet wide x 5 feet deep) immediately west and along Dead
Creek to intercept drainage from the subject facility and thereby eliminating
discharge to Dead Creek. The proposed concrete channel will empty into a 0.8 million
gallon concrete storage basin with pump station which via a 24 inch diameter force
main will connect to an existing manhole and Village of Sauget interceptor. The
storage basin will be 9.5 feet to 14.5 feet deep sloped to the pump station, 40 feet
wide narrowing to 21 foot wide at the pump station and 224 feet long excluding
32.5 feet additional length of the pump station. Three 4500 GPM at 21 ft. TDH storm
water pumps and two 200 GPM at 30 ft. TDH process waste-pumps will be installed in
the pump station all with connection to the 24 inch force main. A 18 inch diameter
process waste sewer will be installed within the storm water channel and will empty
into a pit in the pump station wet well where the process waste pumps take suction.
A flow meter will be installed on the discharge line from the process waste pumps.
An oil skimmer will be installed in the storm water storage basin. The force main
will be a 24 inch diameter fiberglass reinforced pipe approximately 175 feet in
length tributary to a 36 inch combined process-stormwater interceptor tributary to
the Village of Sauget Physical-Chemical Wastewater Treatment Plant. The proposed
system will improve conveyance of existing waste water and storm water flows
(1,500 P.E., 150,000 GPD DAF) to the existing combined interceptor and is not
additional loading to the Village of Sauget Physical-Chemical Wastewater Treatment
Plant.

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THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED
WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:CC:lab/0052w, 73-75
cc: EPA - Region 6
The Chester Engineers
Village of Sauget
Patterson Schafer, Inc.
Record
Books

DIVISION OF WATER POLLUTION CONTROL


Thomas G. McSwiggini, P.E.
Manager, Permit Section

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT**

LOG NUMBER: 4692-83

PERMIT NO.: 1990-EI-4693

**FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS**
PREPARED BY: The Chester Engineers

DATE ISSUED: January 18, 1990

**SUBJECT: CERRO COPPER PRODUCTS COMPANY -- East St. Louis Works -- Modification of
Existing Towers, New Lift Station and Stormwater Retention Basin -- Village of Sauget
Physical - Chemical Wastewater Treatment Plant**

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplement Permit.

SPECIAL CONDITION 1: The issuance of this permit does not relieve the permittee of the responsibility of complying with any limitations and provisions imposed by the Village of Sauget.

SPECIAL CONDITION 2: The issuance of this permit does not relieve the permittee of the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to Section 301, 306, or 307 of the Federal Clean Water Act of 1977.

SPECIAL CONDITION 3: The guidelines developed for the Copper Forming Point Source Category (40 CFR Part 468 Subpart A - Copper Forming Subcategory 468.14 PSES) limits the following pollutants at the East Outfall (12-C) as follows:

Copper Forming Operations (PSES)

Pollutant	Maximum For Any 1 Day (Lbs)	Maximum For Monthly Average (Lbs Per Day)
Copper	1.395	0.734
Chromium	0.330	0.131
Lead	0.109	0.093
Nickel	1.409	0.932
Zinc	1.071	0.447
Total Toxic Organics	0.476	0.249
Oil and Grease	14.692	8.814

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

APP. NO. 1592-17

PERMIT NO. 1090-EW-4602

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: January 18, 1990

PREPARED BY: The Chester Engineers

SUBJECT: CERRO COPPER PRODUCTS COMPANY -- East St. Louis Works -- Modification of
Existing Sewers, New Lift Station and Stormwater Retention Basin -- Village of Sauget
Physical - Chemical Wastewater Treatment Plant

As an alternate monitoring procedure for TTD, indirect dischargers may monitor for oil and grease and meet the alternate monitoring standards for oil and grease established for PSES. Any indirect discharger meeting the alternate monitoring oil and grease standards shall be considered to meet the TTD standard.

- a) Compliance with the above limits shall be determined by measurement of pollutant discharge at locations 1-C, 2-A, 8-C and 18-A.
- b) Monitoring at each of the four locations shall include:
 - (1) Calculation of the amount of flow attributable to regulated process wastewater and the amount of flow attributable to non-regulated dilutional flows.
 - (2) Monitoring for regulated pollutants and calculation of the amount of each regulated pollutant being discharged at each of the four locations from regulated process wastewater flows.
- c) The pounds per day of each regulated pollutant being discharged in the regulated wastestreams at all four monitoring locations shall be summed and reported as the total number of pounds of each pollutant being discharged at the East Outfall (12-C), from Copper Forming Operations.
- d) Sampling shall be conducted during a normal working day during normal working hours.